Journal of Luminescence 75 (1997) 367–370

JOURNAL OF
LUMINESCENCE

Index of Authors and Papers

Alves Jr. S., see O.L. Malta 75 (1997) 255
Amat-Guerri, F., see T. López Arbeloa 75 (1997) 309
Appa Rao, B., see V. Ravi Kumar 75 (1997) 57
Ashenford, D.E., see N. Cain 75 (1997) 269
Azuma, K., see S. Bachir 75 (1997) 35

Bachir, S., K. Azuma, J. Kossanyi, P. valat, J.C. Ronfard-Haret, Photoluminescence of polycrystalline zinc oxide co-activated with trivalent rare earth ions and lithium. Insertion of rare-earth ions into zinc oxide 75 (1997) 35
Barnes, N.P., see B.M. Walsh 75 (1997) 89
Bartram, R.H., D.S. Hamilton, L.A. Kappers, A. Lempicki, Electron traps and transfer efficiency of cerium-doped aluminate scintillators 75 (1997) 183
Bihari, B., H. Eilers, B.M. Tissue, Spectra and dynamics of monoclinic Eu_2O_3 and $Eu^{3+}:Y_2O_3$ nanocrystals 75 (1997) 1
Bisen, D.P., see B.P. Chandra 75 (1997) 127
Bojinova, A., see R. Dafinova 75 (1997) 51
Brecher, C., see E. Zych 75 (1997) 193
Brito, H.F., see O.L. Malta 75 (1997) 255

Cain, N., M. O'Neill, J.E. Nicholls, T. Stirner, W.E. Hagston, D.E. Ashenford, Photoluminescence of CdTe/Cd Mn Te multiple quantum wells excited near the Mott transition 75 (1997) 269
Cardon, F., see D. Poelman 75 (1997) 175
Cartalán, J., see J.C. del Valle 75 (1997) 17
Caruso, J., see K. Vanheusden 75 (1997) 11
Chandra, B.P., R.K. Tiwari, R. Mor, D.P. Bisen, Theoretical approach to the lyoluminescence of alkali halides 75 (1997) 127
Claramunt, R.M., see J.C. del Valle 75 (1997) 17
Costela, A., see T. López Arbeloa 75 (1997) 309
Cuerq, S., see M.F. Joubert 75 (1997) 287
Dafinova, R., K. Papazova, A. Bojinova, Photoluminescence of Eu^{3+} and SO_4^{2-} doped tungstate systems 75 (1997) 51
Danger, T., see N.V. Kuleshov 75 (1997) 319
de Andrade, A.V.M., see O.L. Malta 75 (1997) 255
De, A.K., see S. Sinha 75 (1997) 99
De, R., see S. Sinha 75 (1997) 99
Del Valle, J.C., J. Cartalán, C. Foces-Foces, A.L. Llamas-Saiz, J. Elguero, D. Sanz, J. Dotor, R.M. Claramunt, Photophysics of the 2-(2′-hydroxyphenyl)perimidines: Photostability studies 75 (1997) 17
Di Bartolo, B., see B.M. Walsh 75 (1997) 89
Dityapak, İ., see S. Içli 75 (1997) 353
Dogra, S.K., see S.K. Saha 75 (1997) 117
Dotor, J., see J.C. del Valle 75 (1997) 17

Edelstein, N.M., see M. Illemassene 75 (1997) 77
Eilers, H., see B. Bihari 75 (1997) 1
Elguero, J., see J.C. del Valle 75 (1997) 17

Farias Jr. F.S., see O.L. Malta 75 (1997) 255
Figuera, J.M., see T. López Arbeloa 75 (1997) 309
Foces-Foces, C., see J.C. del Valle 75 (1997) 17
Franklin, A.D., On the interaction between the rapidly and slowly bleaching peaks in the TL glow curves of quartz 75 (1997) 71
Frukacz, Z., see M. Malinowski 75 (1997) 333
Fujimoto, Y., M. Nakatsuka, Spectroscopic properties and quantum yield of Cu-doped SiO_2 glass 75 (1997) 213
Furetta, C., G. Kitis, J.H. Kuo, L. Vismara, P.S. Weng, Impact of non-ideal heat transfer on the determination of thermoluminescent kinetics parameters 75 (1997) 341

Gael, V.I., see E.I. Zenkevich 75 (1997) 229
Galand, E., C. Pagnoulle, J. Niézette, J. Vanderschueren, J. Garsou, Lyoluminescence of inorganic salts 75 (1997) 27
Ganguly, T., see S. Sinha 75 (1997) 99
García-Moreno, I., see T. López Arbeloa 75 (1997) 309
Garsou, J., see E. Galand 75 (1997) 27
Gonçalves e Silva, F.R., see O.L. Malta 75 (1997) 255
Guodong, Q., W. Minquan, W. Mang, F. Xianping, H. Zhanglian, Structural evolution and fluorescence properties of Tb^{3+}-doped silica xerogels in the gel to glass conversion 75 (1997) 63
Guy, S., see M.F. Joubert 75 (1997) 287

Hagston, W.E., see N. Cain 75 (1997) 269
Hamilton, D.S., see R.H. Bartram 75 (1997) 183
Hampden-Smith, M.J., see K. Vanheusden 75 (1997) 11
Hariharan, C., V. Vijaysree, A.K. Mishra, Quenching of 2,5-diphenyl-oxazole (PPO) fluorescence by metal ions 75 (1997) 205
Hartung, S., see N.V. Kuleshov 75 (1997) 319
Huber, G., see N.V. Kuleshov 75 (1997) 319

İcil, H., see S. Içli 75 (1997) 353
Içli, S., H. İcil, D.G. Whitten, Ç. Sayil, İ. Dityapak, Fluoresence quenching between strong π-electron donor–acceptors of carbazolocarbazole and tetranitrofluorenone leading to electron transfer 75 (1997) 353
Illemassene, M., K.M. Murdoch, N.M. Edelstein, J.C. Krupa, Optical spectroscopy and crystal field analysis of Cm^{3+} in $LaCl_3$ 75 (1997) 77
Imbusch, G.F., see S.P. Jamison 75 (1997) 143

Jacquier, B., see M. Malinowski 75 (1997) 333
Jamison, S.P., G.F. Imbusch, Temperature dependence of the luminescence from heavily doped ruby 75 (1997) 143
Jin, J.-I., see J. Peng 75 (1997) 361
Joubert, M.F., S. Guy, S. Cuerq, P.A. Tanner, Room temperature blue upconverted luminescence via photon avalanche pumping in $Cs_2NaGdCl_6:Tm^{3+}$ 75 (1997) 287
Joubert, M.F., see M. Malinowski 75 (1997) 333
Joubert, M.-F., see M. Yin 75 (1997) 221
Jovanić, B.R., Shift under pressure of the luminescence transitions of corundum doped with Md^{4+} 75 (1997) 171

Kankare, J., see M. Latva 75 (1997) 149
Kappers, L.A., see R.H. Bartram 75 (1997) 183
Kim, C.-H., see J. Peng 75 (1997) 361
Kitis, G., see C. Furetta 75 (1997) 341
Knyukshto, V.N., see E.I. Zenkevich 75 (1997) 229
Kodas, T.T., see K. Vanheusden 75 (1997) 11
Kossanyi, J., see S. Bachir 75 (1997) 35
Krupa, J.-C., see M. Yin 75 (1997) 221
Krupa, J.C., see M. Illemassene 75 (1997) 77
Kück, S., see N.V. Kuleshov 75 (1997) 319
Kuleshov, N.V., V.G. Shcherbitsky, V.P. Mikhailov, S. Hartung, T. Danger, S. Kück, K. Petermann, G. Huber, Excited-state absorption and stimulated emission measurements in Cr^{4+}:forsterite 75 (1997) 319
Kuo, J.H., see C. Furetta 75 (1997) 341
Kuzmitsky, V.A., see E.I. Zenkevich 75 (1997) 229

Laflère, W.H., see D. Poelman 75 (1997) 175
Latva, M., H. Takalo, V.-M. Mukkala, C. Matachescu, J.C. Rodriguez-Ubis, J. Kankare, Correlation between the lowest triplet state energy level of the ligand and lanthanide(III) luminescence quantum yield 75 (1997) 149
Lemmetyinen, H., see Q. Yu 75 (1997) 245
Lempicki, A., see R.H. Bartram 75 (1997) 183
Levinson, E.G., see E.I. Zenkevich 75 (1997) 229
Lingertat, H., see E. Zych 75 (1997) 193
Llamas-Saiz, A.L., see J.C. del Valle 75 (1997) 17
López Arbeloa, T., F. López Arbeloa, I. López Arbeloa, A. Costela, I. Garcia-Moreno, J.M. Figuera, F. Amat-Guerri, R. Sastre, Photophysical and lasing properties of a new ester derivative of rhodamine 6G 75 (1997) 309
López Arbeloa, F., see T. López Arbeloa 75 (1997) 309
López Arbeloa, I., see T. López Arbeloa 75 (1997) 309

Malinowski, M., Z. Frukacz, M.F. Joubert, B. Jacquier, Blue up-conversion emission in Yb^{3+} sensitized $YAG:Pr^{3+}$ 75 (1997) 333

Malta, O.L., H.F. Brito, J.F.S. Menezes, F.R. Goncalves e Silva, S. Alves Jr., F.S. Farias Jr., A.V.M. de Andrade, Spectroscopic properties of a new light-converting device Eu(thenoyltrifluoroacetonate)$_3$ 2(dibenzyl sulfoxide). A theoretical analysis based on structural data obtained from a sparkle model 75 (1997) 255
Mang, W., see Q. Guodong 75 (1997) 63
Matachescu, C., see M. Latva 75 (1997) 149
Menezes, J.F.S., see O.L. Malta 75 (1997) 255
Mikhailov, V.P., see N.V. Kuleshov 75 (1997) 319
Minquan, W., see Q. Guodong 75 (1997) 63
Mironov, A.F., see E.I. Zenkevich 75 (1997) 229
Mishra, A.K., see C. Hariharan 75 (1997) 205
Mishra, A.K., see J. Sujatha 75 (1997) 135
Mor, R., see B.P. Chandra 75 (1997) 127
Morgan, S.H., see Z. Pan 75 (1997) 301
Mukkala, V.-M., see M. Latva 75 (1997) 149
Murdoch, K.M., see M. Illemassene 75 (1997) 77

Nakatsuka, M., see Y. Fujimoto 75 (1997) 213
Nandy, S.K., see S. Sinha 75 (1997) 99
Nicholls, J.E., see N. Cain 75 (1997) 269
Niézette, J., see E. Galand 75 (1997) 27

O'Neill, M., see N. Cain, 75 (1997) 269

Pagnoulle, C., see E. Galand 75 (1997) 27
Pan, Z., S.H. Morgan, Optical transitions of Er^{3+} in lead–tellurium–germanate glasses 75 (1997) 301
Papazova, K., see R. Dafinova 75 (1997) 51
Peng, J., B.-Y. Yu, C.-H. Pyun, C.-H. Kim, J.-I. Jin, The effect of a metal electrode on PPV electroluminescence processes 75 (1997) 361
Petermann, K., see N.V. Kuleshov 75 (1997) 319
Poelman, D., R. Vercaemst, R.L. Van Meirhaeghe, W.H. Laflère, F. Cardon, Influence of the growth conditions on the properties of CaS:Eu electroluminescent thin films 75 (1997) 175
Pyun, C.-H., see J. Peng 75 (1997) 361

Ravi Kumar, V., N. Veeraiah, B. Appa Rao, Optical absorption and photoluminescence properties of Pr^{3+}-doped ZnF_2–PbO–TeO_2 glasses 75 (1997) 57
Reynolds, G.T., Piezoluminescence from a ferroelectric polymer and quartz 75 (1997) 295
Rodriguez-Ubis, J.C., see M. Latva 75 (1997) 149
Ronfard-Haret, J.C., see S. Bachir 75 (1997) 35

Saha, S.K., S.K. Dogra, Fluorescence quenching of aromatic amines by chloromethanes 75 (1997) 117
Sanz, D., see J.C. del Valle 75 (1997) 17
Sarkar, A., Steady state spectral characteristics of 1-phenyl-3-pyrazolidinone in different environments 75 (1997) 327
Sastre, R., see T. López Arbeloa 75 (1997) 309
Sayil, Ç., see S. Içli 75 (1997) 353
Seager, C.H., see K. Vanheusden 75 (1997) 11
Shcherbitsky, V.G., see N.V. Kuleshov 75 (1997) 319
Shulga, A.M., see E.I. Zenkevich 75 (1997) 229
Sikorski, M., F. Wilkinson, On the conditions needed to verify a non-stationary diffusion model by kinetic analysis of fast fluorescence quenching – II 75 (1997) 277
Sinha, S., R. De, T. Ganguly, A.K. De, S.K. Nandy, Studies on quenching reactions in the excited electronic states of tetrahydronaphthols both at the ambient temperature as well as at 77 K 75 (1997) 99
Stirner, T., see N. Cain 75 (1997) 269
Sujatha, J., A.K. Mishra, Fluorescence quenching of naphthalene and its substitutions by chloroethanes and -ethylenes 75 (1997) 135

Takalo, H., see M. Latva 75 (1997) 149
Tallant, D.R., see K. Vanheusden 75 (1997) 11
Tanner, P.A., see M.F. Joubert 75 (1997) 287
Tissue, B.M., see B. Bihari 75 (1997) 1
Tiwari, R.K., see B.P. Chandra 75 (1997) 127
Tkachenko, N.V., see Q. Yu 75 (1997) 245

Valat, P., see S. Bachir 75 (1997) 35
Van Meirhaeghe, R.L., see D. Poelman 75 (1997) 175
Vanderschueren, J., see E. Galand 75 (1997) 27
Vanheusden, K., C.H. Seager, W.L. Warren, D.R. Tallabt, J. Caruso, M.J. Hampden-Smith, T.T. Kodas, Green photoluminescence efficiency and free-carrier density in ZnO phosphor powders prepared by spray pyrolysis 75 (1997) 11
Veeraiah, N., see V. Ravi Kumar 75 (1997) 57
Vercaemst, R., see D. Poelman 75 (1997) 175
Vijaysree, V., see C. Hariharan 75 (1997) 205

Vismara, L., see C. Furetta 75 (1997) 341
Vuorimaa, E., see Q. Yu 75 (1997) 245

Walsh, B.M., N.P. Barnes, B. Di Bartolo, On the distribution of energy between the Tm $^3F_4$ and Ho $^5I_7$ manifolds in Tm-sensitized Ho luminescence 75 (1997) 89
Warren, W.L., see K. Vanheusden 75 (1997) 11
Weng, P.S., see C. Furetta 75 (1997) 341
Whitten, D.G., see S. Içli 75 (1997) 353
Wilkinson, F., see M. Sikorski 75 (1997) 277
Wojtowicz, A.J., see E. Zych 75 (1997) 193

Xianping, F., see Q. Guodong 75 (1997) 63

Yin, M., M.-F. Joubert, J.-C. Krupa, Infrared to green up-conversion in $LaCl_3:U^{3+}$ 75 (1997) 221
Yu, Q., E. Vuorimaa, N.V. Tkachenko, H. Lemmetyinen, Interlayer energy transfer between pyrene-dodecanoic acid and NBD-dodecanoic acid in Langmuir–Blodgett films 75 (1997) 245
Yu, B.-Y., see J. Peng 75 (1997) 361

Zenkevich, E.I., V.N. Knyukshto, A.M. Shulga, V.A. Kuzmitsky, V.I. Gael, E.G. Levinson, A.F. Mironov, Spectroscopic and photo-physical properties of covalent ether-bonded porphyrin–chlorin heterodimers 75 (1997) 229
Zhanglian, H., see Q. Guodong 75 (1997) 63
Zych, E., C. Brecher, A.J. Wojtowicz, H. Lingertat, Luminescence properties of Ce-activated YAG optical ceramic scintillator materials 75 (1997) 193

Journal of Luminescence 75 (1997) 371–372

JOURNAL OF
LUMINESCENCE

Subject Index

II–VI semiconductors 269
3d transition-metal ions 319

Absorption spectra 327
Absorption 309
Aqualuminescence 127

Biexcitons 269

CCD imaging 295
Ceramic 193
Charge-transfer complexes 353
Chemical reactions 277
Colour centres 127
Complexation 327
Configuration coordinate energy diagram 213

Deformation luminescence 295
Diffusion-controlled reactions 277
Donors 11
Dual emission 327
Dynamic quenching 135

Electroluminescence 175, 361
Electron spin resonance 11
Electron trafficking 71
Electron transfer 99
Elpasolite 287
Emission spectra 327
Emissive exciplex 135
Emitting centers 11
Energy and electron transfer 229
Energy transfer 1, 89, 99, 143, 149, 193, 245, 255, 333
ESIPT 17
Exciplex 99
Excitation transfer mechanism 35
Excited state absorption 77
Exited-state absorption 287, 319, 333

Film morphology 175
Fluorescence lifetimes 143
Fluorescence quenching 99, 117, 135, 205
Fluorescence spectra 63
Fluorescence 1, 277, 309

Gamma radiation 183
Grain boundaries 35

Heating rate 341
High-pressure effect 171
Hydrogen bond formation 327

Intrinsic luminescence 11

Judd–Ofelt parameters 57

Kinetics 277

Langmuir–Blodgett films 245
Lasing properties 309
Lifetimes 77
Ligand field 255
Line shift 171
Liquid scintillator 205
Low-temperature photoluminescence spectra 221
Luorescence quenching by chloromethanes 117
Lyoluminescence 27, 127

Mechanisms of luminescence 71
Mechanoluminescence 295
Metal electrode effect 361
Metal ion quenchers 205
Microstructure 193
Mott transition 269

Nanocrystals 1
Non-emissive exciplex 205
Non-radiative transition 99

Optical absorption 57
Optical spectra 171
Optical transitions 301

Phosphorescence quenching 99
Phosphorescence 229

Photoelectron transfer 353
Photoluminescence 51, 57, 269, 361
Photon avalanche 287
Photophysics 17
Photostability studies 17
Phototransfer 71
Piezoluminescence 295
Polarised fluorescence 229
Polycrystalline semiconductor 35

Quantum wells 269
Quantum yield 149, 213
Quantum-chemical calculations 229

Rate equations 89, 143

Scintillators 183, 193
Sensitization 27, 333
Spectroscopic properties 213
Spectroscopy 319
Static and dynamic quenching 117
Stern–Volmer 135

Thermal gradient 341
Thermoluminescence 71, 183, 341
Thin film 175
Time-resolved fluorescence 245
Tm:Ho lasers 89
Trapping parameters 341
Triplet exciplex 353

Up-conversion 221, 287, 333

Vacuum deposition 175

Journal of Luminescence 75 (1997) 373

JOURNAL OF
LUMINESCENCE

Materials Index

Actinides 77
Alcohols 309
Alkali halides 27, 127
$Al_2O_3:Mn^{4+}$ 171
Ammonium persulfate 27
Aromatic amines 117

CaS:Eu 175
Carbazolocarbazole 353
Carbonates 27
Ce:$LuAlO_3$ (LuAP) 183
Ce:$YAlO_3$ (YAP) 183
Cerium 183
Chloromethanes as quenchers 117
Cm^{3+} 77
Copper SiO_2 glass (Quartz glass) 213
$Cr^{4+}:Mg_2SiO_4$ 319

Elpasolite 287
Er^{3+} 301
Eu^{2+} 175
$Eu^{3+}:Y_2O_3$ 1
Eu_2O_3 1

Haloalkanes and haloalkenes 135
Holmium 89
H_2S 175

Inorganic salts 27

$LaCl_3:U^{3+}$ 221
Lanthanide(III) 149
Lanthanides 77
Lead–tellurium–germanate glasses 301
Li 35
Lutetium 183

$MgB_4O_7:Dy, Na$ 341

Perimidine derivatives 17
Phosphates 27
Poly(p-phenylene vinylene) (PPV) 361
Polyvinylidene fluoride 295
Porphyrin–chlorin heterodimers 229
$Pr^{3+} + Yb^{3+}$ 333

Quartz 71, 295

Rare earth compounds 255
Rare-earth ion 63
Rare-earth luminescence 35
Rare-earth oxides 35
Rhodamine 309

Se 175
Sol–gel 63, 213

Tetranitrofluorenone 353
Thulium 89
Tm^{3+} 287

Water–ethanol mixtures 309

YAG:Ce 193
YAG 333
$Y_3Al_5O_{12}$ 333

ZnF_2–PbO–TeO_2 57
ZnO 11, 35
$ZnWO_4$ 51